

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	103	514/273.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:04
L2	1380	514/275.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05
L3	2805	514/256.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05
L5	998	514/278.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05
L6	1080	514/367.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05
L7	733	514/370.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05
L8	797	514/375.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05
L9	472	514/389.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05
L10	358	514/392.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05

EAST Search History

L11	497	544/230.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05
L12	741	546/15.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:05
L13	289	546/17.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:06
L14	172	548/147.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:06
L15	275	548/216.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:06
L16	180	548/301.1.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:06
L17	8957	L1 OR L2 OR L3 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:07
L18	36	L17 AND CGRP	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/12/13 18:07

STN Structure Search (Registry / Caplus)

10/549,338 & 10/547,227

12/13/2006

Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 10:18:22 ON 13 DEC 2006

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:18:29 ON 13 DEC 2006

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STRUCTURE FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1
DICTIONARY FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

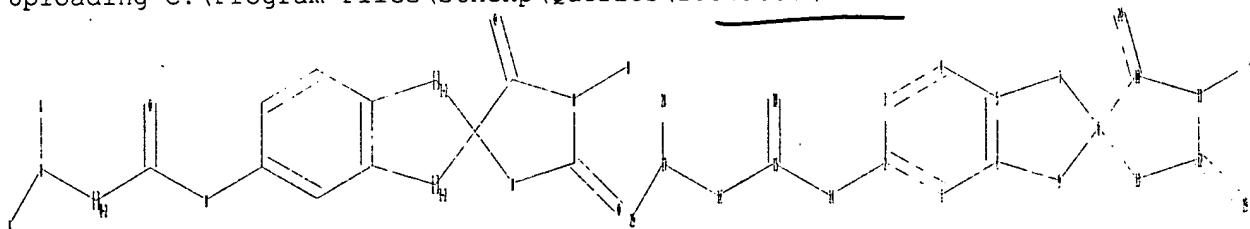
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10549338\1.str



chain nodes :

14 15 16 18 19 20 21

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 17 28 29
 chain bonds :
 2-14 10-20 11-21 12-19 14-15 15-16 15-18 16-17
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10 8-13 10-11 11-12 12-13
 17-28 17-29
 exact/norm bonds :
 2-14 5-6 5-7 6-9 7-8 8-9 8-10 8-13 10-11 10-20 11-12 12-13 12-19 14-15
 15-18 16-17 17-28 17-29
 exact bonds :
 11-21 15-16
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:CLASS
 19:CLASS 20:CLASS 21:CLASS 28:Atom 29:Atom

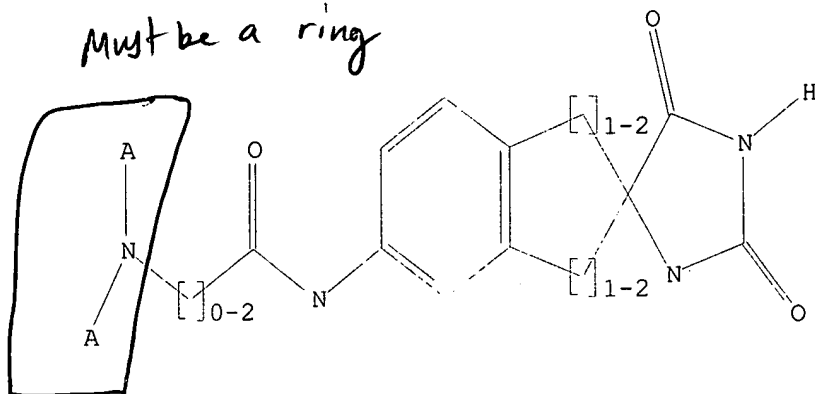
L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

Must be a ring



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 10:18:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1851 TO ITERATE

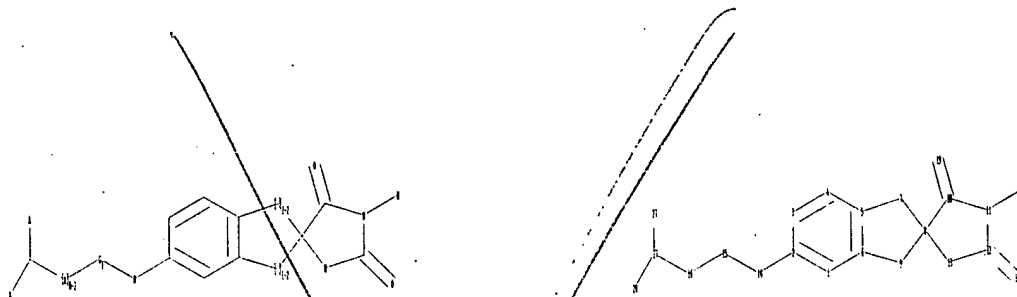
100.0% PROCESSED 1851 ITERATIONS
 SEARCH TIME: 00.00.01

116 ANSWERS

L2 116 SEA SSS FUL L1

=>

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chain nodes :

14 15 16 18 19 20

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 17 27 28

chain bonds :

2-14 10-19 11-20 12-18 14-15 15-16 16-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10 8-13 10-11 11-12 12-13
17-27 17-28

exact/norm bonds :

2-14 5-6 5-7 6-9 7-8 8-9 8-10 8-13 10-11 10-19 11-12 12-13 12-18 14-15
15-16 16-17 17-27 17-28

exact bonds :

11-20

normalized bonds :

1-2 1-6 2-3 3-4 4-5

G1:SO2,C

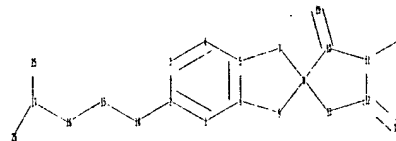
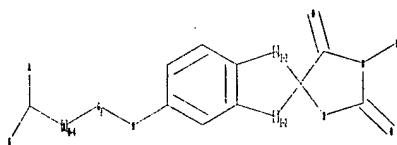
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:CLASS
19:CLASS 20:CLASS 27:Atom 28:Atom

L3 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\Stnexp\Queries\10547227\3.str



chain nodes :

14 15 16 18 19 20

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 17 25 26

chain bonds :

2-14 10-19 11-20 12-18 14-15 15-16 16-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10 8-13 10-11 11-12 12-13
17-25 17-26

exact/norm bonds :

2-14 5-6 5-7 6-9 7-8 8-9 8-10 8-13 10-11 10-19 11-12 12-13 12-18 14-15
15-16 16-17 17-25 17-26

exact bonds :

11-20

normalized bonds :

1-2 1-6 2-3 3-4 4-5

G1:S02,C

Match level :

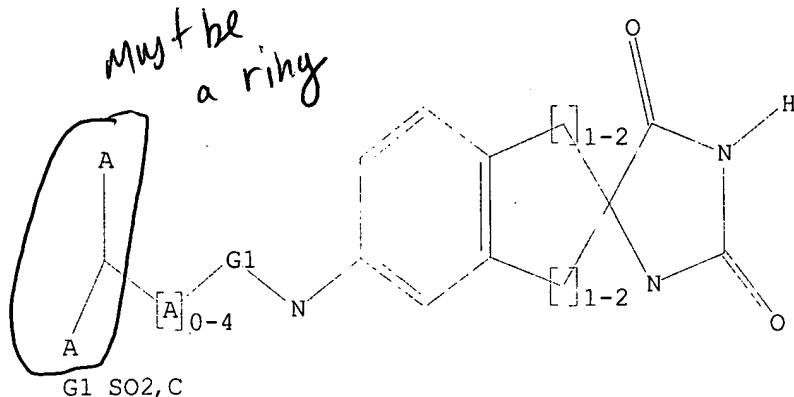
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 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:CLASS
 19:CLASS 20:CLASS 25:Atom 26:Atom

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4 full

FULL SEARCH INITIATED 10:24:08 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2767 TO ITERATE

100.0% PROCESSED 2767 ITERATIONS
 SEARCH TIME: 00.00 01

40 ANSWERS

L5 40 SEA SSS FUL L4

=> fil caplus

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

337.40

TOTAL

SESSION

337.61

FILE 'CAPLUS' ENTERED AT 10:24:13 ON 13 DEC 2006

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FILE LAST UPDATED: 12 Dec 2006 (20061212/ED)

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<http://www.cas.org/infopolicy.html>

=> d his

(FILE 'HOME' ENTERED AT 10:18:22 ON 13 DEC 2006)

FILE 'REGISTRY' ENTERED AT 10:18:29 ON 13 DEC 2006

L1	STRUCTURE UPLOADED
L2	116 S L1 FULL
L3	STRUCTURE UPLOADED
L4	STRUCTURE UPLOADED
L5	40 S L4 FULL

FILE 'CAPLUS' ENTERED AT 10:24:13 ON 13 DEC 2006

=> s 12	
L6	3 L2
=> s 15	
L7	7 L5

=> d ibib abs hitstr L6 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:268948 CAPLUS
 DOCUMENT NUMBER: 144:331434
 TITLE: Preparation of tricyclic anilide spirohydantoin CGRP
receptor antagonists
 INVENTOR(S): Bell, Ian M.; Gallicchio, Steven N.; Zartman, C.
 Blair; Theberge, Cory R.; Zhang, Xufang
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA
 SOURCE: PCT Int. Appl., 84 pp.
 CODEN: PIXXD2
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: English
 PATENT INFORMATION: 1

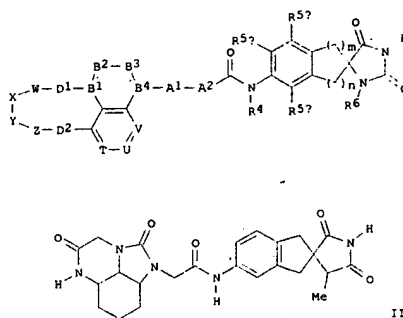
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006031676	A2	20060323	WO 2005-US32288	20050909
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2004-609294P P 20040913

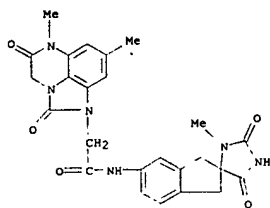
OTHER SOURCE(S): MARPAT 144:331434
 GI

Inventors

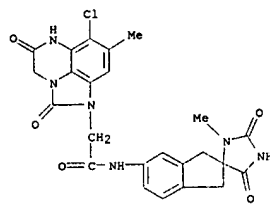
L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

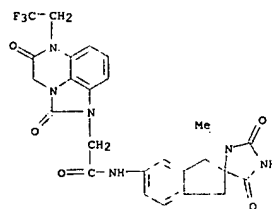


RN 880090-70-0 CAPLUS
 CN 4H-Imidazo[1,5,4-de]quinoxaline-1(2H)-acetamide,
 7-chloro-N-(1',3'-dihydro-3-methyl-
 3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-5,6-dihydro-8-
 methyl-2,5-dioxo- (9CI) (CA INDEX NAME)

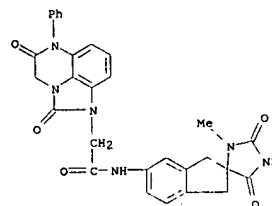


RN 880090-71-1 CAPLUS
 CN 4H-Imidazo[1,5,4-de]quinoxaline-1(2H)-acetamide,
 N-(1',3'-dihydro-3-methyl-
 2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-5,6-dihydro-2,5-dioxo-
 6-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

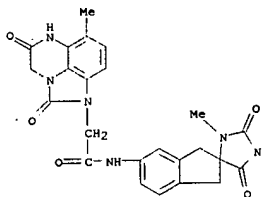


RN 880090-72-2 CAPLUS
 CN 4H-Imidazo[1,5,4-de]quinoxaline-1(2H)-acetamide,
 N-(1',3'-dihydro-3-methyl-
 2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-5,6-dihydro-2,5-dioxo-
 6-phenyl- (9CI) (CA INDEX NAME)

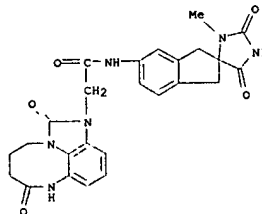


RN 880090-73-3 CAPLUS
 CN 4H-Imidazo[1,5,4-de]quinoxaline-1(2H)-acetamide,
 N-(1',3'-dihydro-3-methyl-
 2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-5,6-dihydro-7-methyl-
 2,5-dioxo- (9CI) (CA INDEX NAME)

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

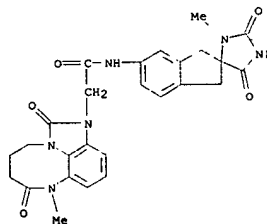


RN 880090-74-4 CAPLUS
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 N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-
 yl)-5,6,7,8-tetrahydro-2,7-dioxo- (9CI) (CA INDEX NAME)

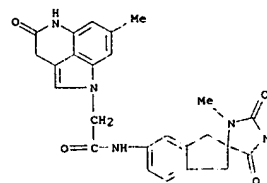


RN 880090-75-5 CAPLUS
 CN 4H-Imidazo[1,5,4-fg][1,6]benzodiazocine-1(2H)-acetamide,
 N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-
 yl)-5,6,7,8-tetrahydro-8-methyl-2,7-dioxo- (9CI) (CA INDEX NAME)

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

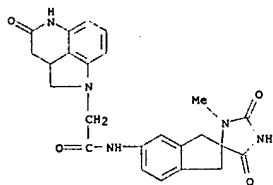


RN 880090-76-6 CAPLUS
 CN Pyrrolo[4,3,2-de]quinoline-1(3H)-acetamide,
 N-(1',3'-dihydro-3-methyl-2,5-
 dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-4,5-dihydro-7-methyl-4-oxo-
 (9CI) (CA INDEX NAME)

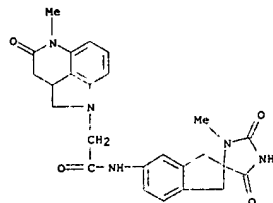


RN 880090-77-7 CAPLUS
 CN Pyrrolo[4,3,2-de]quinoline-1(2H)-acetamide,
 N-(1',3'-dihydro-3-methyl-2,5-
 dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2a,3,4,5-tetrahydro-4-oxo-
 (9CI) (CA INDEX NAME)

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 880090-78-8 CAPLUS
 CN Pyrrolo(4,3,2-de)quinoline-1(2H)-acetamide,
 N-(1',3'-dihydro-3-methyl-2,5-
 dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2a,3,4,5-tetrahydro-5-
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L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

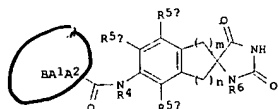
ACCESSION NUMBER: 2004:799566 CAPLUS
 DOCUMENT NUMBER: 141:314326
 TITLE: Preparation of spirohydanol anilides as calcitonin
 gene-related peptide (CGRP) receptor antagonists
 INVENTOR(S): Bell, Ian M.; Diebge, Cory R.; Williams, Theresa
 M.; Zartman, D. Blair; Zhang, Xu-fang; Gallicchio, Steven
 M.

PATENT ASSIGNEE(S): Merck & Co. Inc., USA
 SOURCE: PCT Int. Appl., 61 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

Same Inventors

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004083187	A1	20040930	WO 2004-US7678	20040310
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HK, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SI, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HK, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SI, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
AU 2004221891	A1	20040930	AU 2004-221891	20040310
CA 2518852	AA	20040930	CA 2004-2518852	20040310
EP 1606264	A1	20051221	EP 2004-719323	20040310
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
JP 2006520387	T2	20060907	JP 2006-507138	20040310
US 2006148779	A1	20060706	US 2005-547082	20050826
			US 2003-454944P	20030314
PRIORITY APPLN. INFO.:			WO 2004-US7678	A 20040310

OTHER SOURCE(S): MARPAT 141:314326
 GI



B = monocyclic thru N

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Title compds. [I: B = (substituted) imidazolyl, pyrrolyl, pyrazolyl, triazolyl, 2-oxoimidazolyl, 2-oxooxazolyl, 2-oxothiazolyl, 2-oxodiazepanyl, etc.; A1, A2 = bond, CR13R14, null; R13, R14 = H, (fluoro)alkyl, OH; R4 = H, (fluoro)alkyl; R5a, R5b, R5c = H, alkyl, alkoxy, OCF3, CF3, halo, OH, cyano; R6 = H, (substituted) alkyl, Ph, pyridyl, pyrimidinyl, pyrazinyl, thienyl; m, n = 1, 2], were prepared

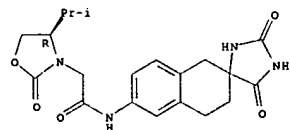
Thus, 3-chlorobenzoic acid, 6'-amino-3',4'-dihydro-1'H-spiro[imidazolidine-4,2'-naphthalene]-2,5-dione, EDC, HOBT, and diisopropylamine were stirred together for 18 h in DMF at ambient temperature to give 6'-[(3-chlorobenzoyl)amino]-3',4'-dihydro-1'H-spiro[imidazolidine-4,2'-naphthalene]-2,5-dione. I generally showed CGRP antagonistic activity with Ki or IC50 values of ≤50 μM.

IT 766536-27-0P 766536-28-1P 766536-29-2P
 766536-30-5P 766536-31-6P 766536-32-7P
 766536-33-8P 766536-34-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

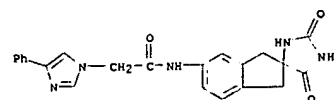
(claimed compound; preparation of spirohydanol anilides as calcitonin gene-related peptide receptor antagonists)

RN 766536-27-0 CAPLUS
 CN 3-Oxazolidineacetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-4-(1-methylethyl)-2-oxo-, (4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



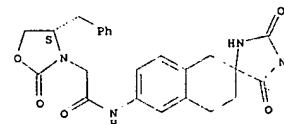
RN 766536-28-1 CAPLUS
 CN 1H-Imidazole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-4-phenyl- (9CI) (CA INDEX NAME)



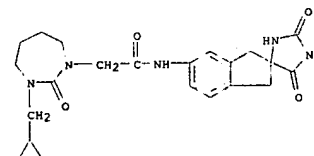
RN 766536-29-2 CAPLUS
 CN 3-Oxazolidineacetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-2-oxo-4-(phenylmethyl)-, (4S)- (9CI) (CA INDEX NAME)

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Absolute stereochemistry.

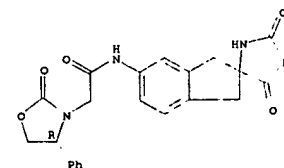


RN 766536-30-5 CAPLUS
 CN 1H-1,3-Diazepine-1-acetamide, 3-(cyclopropylmethyl)-N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)hexahydro-2-oxo- (9CI)
 (CA INDEX NAME)



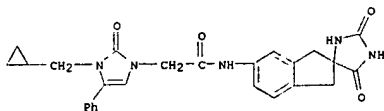
RN 766536-31-6 CAPLUS
 CN 3-Oxazolidineacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo-4-phenyl-, (4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

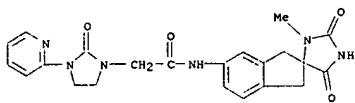


RN 766536-32-7 CAPLUS
 CN 1H-Imidazole-1-acetamide, 3-(cyclopropylmethyl)-N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-

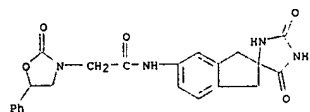
L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(9CI) (CA INDEX NAME)



RN 766536-33-8 CAPLUS
CN 1-Imidazolidineacetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 766536-34-9 CAPLUS
CN 3-Oxazolidineacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo-5-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

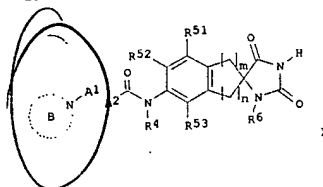
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:79443 CAPLUS
DOCUMENT NUMBER: 141-114324
TITLE: Preparation of bicyclic anilide spirohydantoin CGRP receptor antagonists
INVENTOR(S): Bell, Ian M.; Galicchio, Steven N.; Theberge, Cory R.; Zhang, Xu-Fang; Stump, Craig; Zartman, C. Blair
PATENT ASSIGNEE(S): Merck & Co. Inc., USA
SOURCE: PCT Int. Appl., 120 pp.
CODEN: PIXAD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004082605	A2	20040930	WO 2004-US7289	20040310
WO 2004082605	A3	20041118		
M:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW			
RW:	BM, GH, GM, KE, LS, MW, ME, SD, SL, SZ, TZ, UG, ZM, ZW, AG, AZ, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004222383	A1	20040930	AU 2004-222383	20040310
CA 2519475	AA	20040930	CA 2004-2519475	20040310
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JP 2006520383	T2	20060907	JP 2006-507033	20040310
US 2006211712	A1	20060921	US 2005-549338	20050913
PRIORITY APPLN. INFO.:			US 2003-455609P	P 20030314
			US 2003-486642P	P 20030711
			WO 2004-US7289	A 20040310

OTHER SOURCE(S): MARPAT 141:31432
GI

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB The title compds. [1: B = (un)substituted bicycloheterocycle; A1, A2 = a bond, (un)substituted CH2; R4 = H, alkyl, fluoroalkyl, cycloalkyl, etc.; R51, R52, R53 = H, alkyl, alkoxy, etc.; R6 = H, alkyl, cycloalkyl, etc.; m, n = 1-2] that are antagonists of CGRP receptors and that are useful in the treatment or prevention of diseases in which the CGRP is involved, such as headache, migraine and cluster headache, were prepared. E.g., a multi-step synthesis of 11, starting from 6-bromo-2-tetralone, was given. The exemplified compds. 1 had activity as antagonists of the CGRP receptor, generally with a Ki or IC50 value of <50µM. The invention is also directed to pharmaceutical compns. comprising the compds. 1 and the use of these compds. and compns. in the prevention or treatment of such diseases in which CGRP is involved.

IT 767303-71-9P 767303-73-1P 767303-75-3P
767303-77-5P 767303-78-6P 767303-79-7P
767303-80-0P 767303-81-1P 767303-82-2P
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767303-87-7P 767303-88-8P 767303-89-9P
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L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

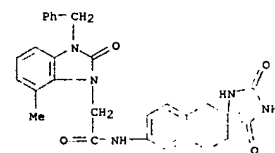
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

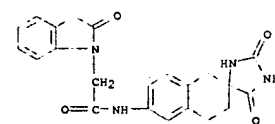
(Prepn. of bicyclic anilide spirohydantoin CGRP receptor antagonists)

RN 767303-71-9 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1H)-naphthalen]-6'-yl)-2,3-dihydro-7-methyl-2-oxo-3-(phenylmethyl)- (9CI) (CA INDEX NAME)

767303-73-1 CAPLUS
CN 1H-Indole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1H)-naphthalen]-6'-yl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

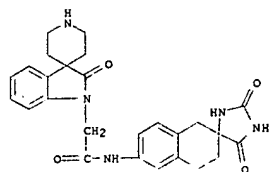


RN 767303-73-1 CAPLUS
CN 1H-Indole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1H)-naphthalen]-6'-yl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

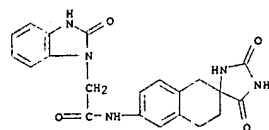


RN 767303-75-3 CAPLUS
CN Spiro[3H-indole-3,4'-piperidine]-1(2H)-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1H)-naphthalen]-6'-yl)-2-oxo- (9CI) (CA INDEX NAME)

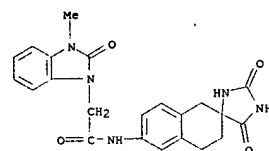
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767303-77-5 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

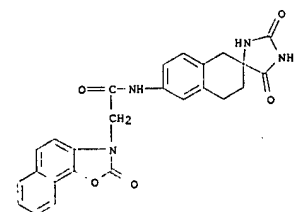


RN 767303-78-6 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-2,3-dihydro-3-methyl-2-oxo- (9CI) (CA INDEX NAME)

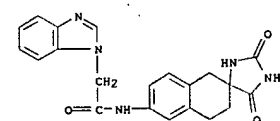


RN 767303-79-7 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-3-ethyl-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

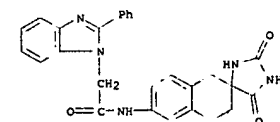
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767303-83-3 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-6-hydroxy-2-oxo- (9CI) (CA INDEX NAME)

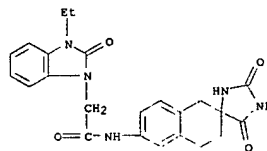


RN 767303-85-5 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-2-phenyl- (9CI) (CA INDEX NAME)

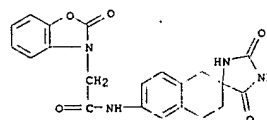


RN 767303-86-6 CAPLUS
CN 3(2H)-Benzoxazoleacetamide, 5-chloro-N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-2-oxo- (9CI) (CA INDEX NAME)

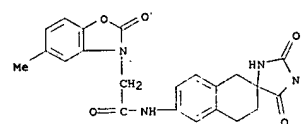
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767303-80-0 CAPLUS
CN 3(2H)-Benzoxazoleacetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-2-oxo- (9CI) (CA INDEX NAME)

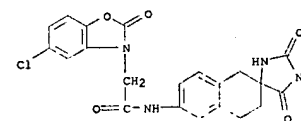


RN 767303-81-1 CAPLUS
CN 3(2H)-Benzoxazoleacetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-5-methyl-2-oxo- (9CI) (CA INDEX NAME)

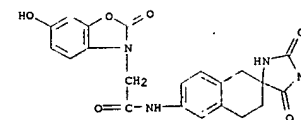


RN 767303-82-2 CAPLUS
CN Naphth[2,1-d]oxazole-3(2H)-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-2-oxo- (9CI) (CA INDEX NAME)

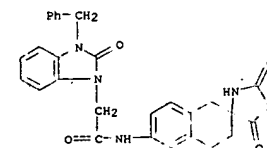
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767303-87-7 CAPLUS
CN 3(2H)-Benzoxazoleacetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-6-hydroxy-2-oxo- (9CI) (CA INDEX NAME)

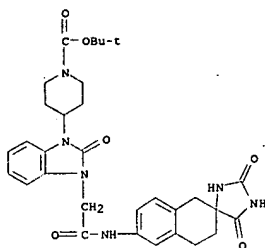


RN 767303-88-8 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-2,3-dihydro-2-oxo-3-(phenylmethyl)- (9CI) (CA INDEX NAME)

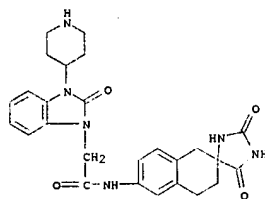


RN 767303-89-9 CAPLUS
CN 1-Piperidinecarboxylic acid, 4-[3-[2-[(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)amino]-2-oxoethyl]-2,3-dihydro-2-oxo-1H-benzimidazol-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

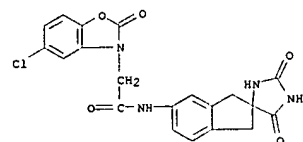


RN 767303-90-2 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-2,3-dihydro-2-oxo-3-(4-piperidinyl)- (9CI) (CA INDEX NAME)

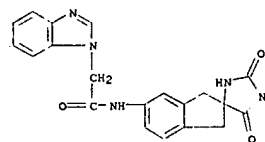


RN 767303-91-3 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-7-fluoro-2-oxo- (9CI) (CA INDEX NAME)

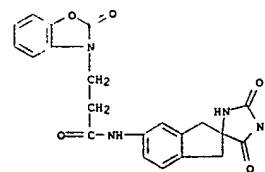
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CN 3(2H)-Benzoxazoleacetamide, 5-chloro-N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo- (9CI) (CA INDEX NAME)



RN 767303-95-7 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo- (9CI) (CA INDEX NAME)

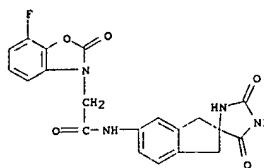


RN 767303-96-8 CAPLUS
 CN 3(2H)-Benzoxazolepropanamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo- (9CI) (CA INDEX NAME)

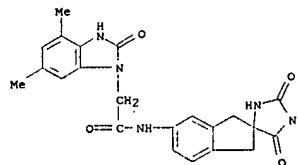


RN 767303-97-9 CAPLUS
 CN 1H-Benzimidazole-1-acetic acid, 3-[2-[(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)amino]-2,3-dihydro-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

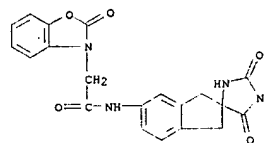
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767303-92-4 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-4,6-dimethyl-2-oxo- (9CI) (CA INDEX NAME)

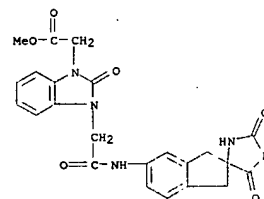


RN 767303-93-5 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo- (9CI) (CA INDEX NAME)

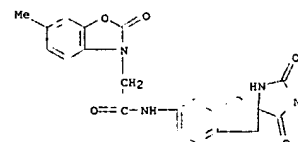


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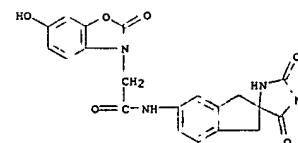
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767303-98-0 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-6-methyl-2-oxo- (9CI) (CA INDEX NAME)

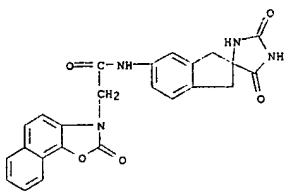


RN 767303-99-1 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-6-hydroxy-2-oxo- (9CI) (CA INDEX NAME)

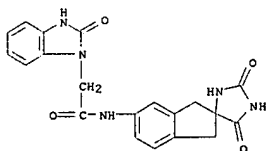


RN 767304-00-7 CAPLUS
 CN Naphth[2,1-d]oxazole-3(2H)-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo- (9CI) (CA INDEX NAME)

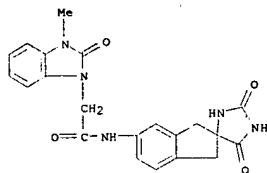
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



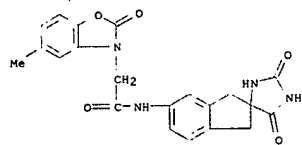
RN 767304-01-8 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)



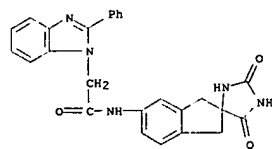
RN 767304-02-9 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-3-methyl-2-oxo- (9CI) (CA INDEX NAME)



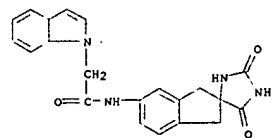
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767304-06-3 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-phenyl- (9CI) (CA INDEX NAME)



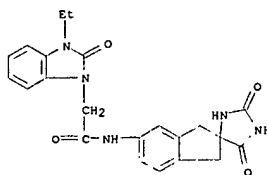
RN 767304-07-4 CAPLUS
CN 1H-Indole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)



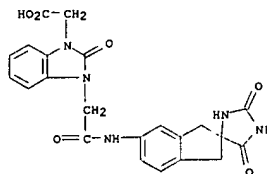
RN 767304-08-5 CAPLUS
CN Naphth[2,3-d]oxazole-3(2H)-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-5,6,7,8-tetrahydro-2-oxo- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 767304-03-0 CAPLUS
CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-3-ethyl-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

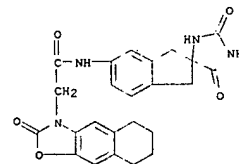


RN 767304-04-1 CAPLUS
CN 1H-Benzimidazole-1-acetic acid, 3-[2-[(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)amino]-2-oxoethyl]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

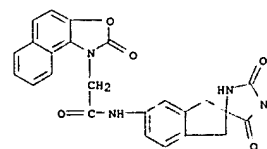


RN 767304-05-2 CAPLUS
CN 3(2H)-Benzoxazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-5-methyl-2-oxo- (9CI) (CA INDEX NAME)

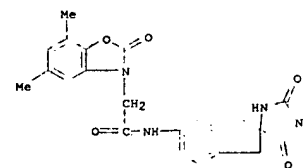
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767304-09-6 CAPLUS
CN Naphth[1,2-d]oxazole-1(2H)-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo- (9CI) (CA INDEX NAME)

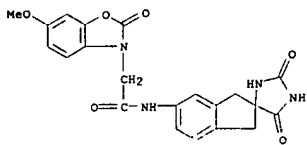


RN 767304-10-9 CAPLUS
CN 3(2H)-Benzoxazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-5,7-dimethyl-2-oxo- (9CI) (CA INDEX NAME)

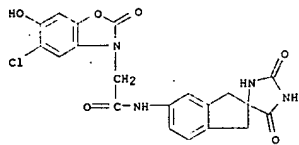


RN 767304-11-0 CAPLUS
CN 3(2H)-Benzoxazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-6-methoxy-2-oxo- (9CI) (CA INDEX NAME)

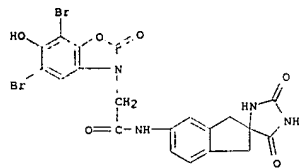
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767304-12-1 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, 5-methoxy-N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-6-hydroxy-2-oxo- (9CI)
 (CA INDEX NAME)

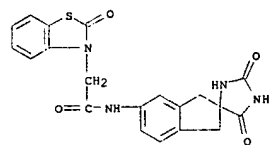


RN 767304-13-2 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, 5,7-dibromo-N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-6-hydroxy-2-oxo- (9CI)
 (CA INDEX NAME)

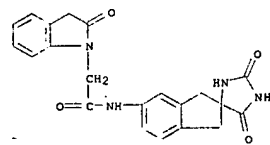


RN 767304-14-3 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, 5-bromo-N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-6-hydroxy-2-oxo- (9CI)
 (CA INDEX NAME)

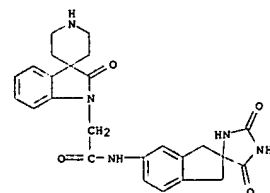
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767304-18-7 CAPLUS
 CN 1H-Indole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo- (9CI)
 (CA INDEX NAME)

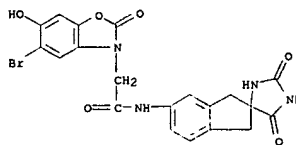


RN 767304-19-8 CAPLUS
 CN Spiro[3H-indole-3,4'-piperidine]-1(2H)-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo- (9CI)
 (CA INDEX NAME)

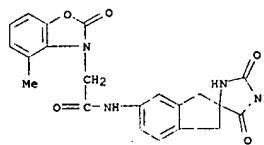


RN 767304-20-1 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(4-piperidinyl)- (9CI)
 (CA INDEX NAME)

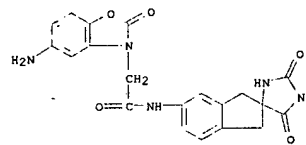
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767304-15-4 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-4-methyl-2-oxo- (9CI)
 (CA INDEX NAME)

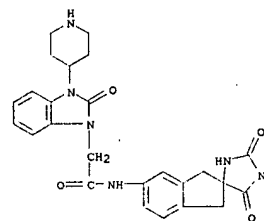


RN 767304-16-5 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, 5-amino-N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo- (9CI)
 (CA INDEX NAME)

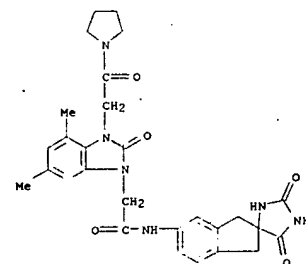


RN 767304-17-6 CAPLUS
 CN 3(2H)-Benzothiazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo- (9CI)
 (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

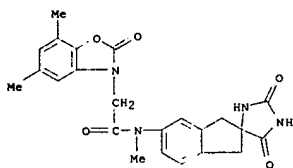


RN 767304-21-2 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-4,6-dimethyl-2-oxo-3-[2-oxo-2-(1-pyrrolidinylethyl)- (9CI)
 (CA INDEX NAME)

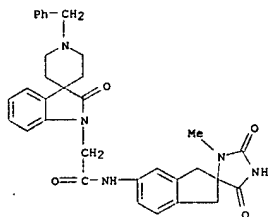


RN 767304-22-3 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N,5,7-trimethyl-2-oxo- (9CI)
 (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

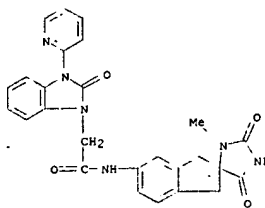


RN 767304-23-4 CAPLUS
 CN Spiro[3H-indole-3,4'-piperidine]-1(2H)-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo-1'-(phenylmethyl)- (9CI) (CA INDEX NAME)

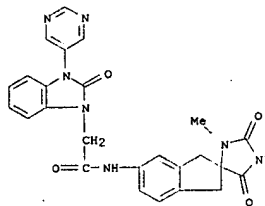


RN 767304-24-5 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

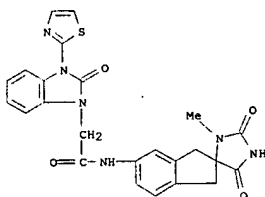


RN 767304-25-6 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(5-pyrimidinyl)- (9CI) (CA INDEX NAME)

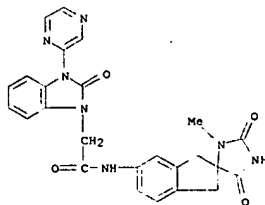


RN 767304-26-7 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(2-thiazolyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

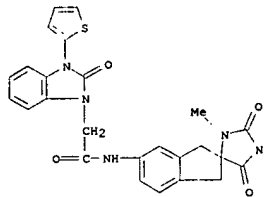


RN 767304-27-8 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-pyrazinyl- (9CI) (CA INDEX NAME)

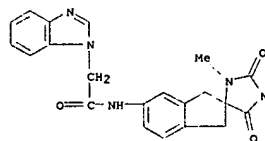


RN 767304-28-9 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(2-thienyl)- (9CI) (CA INDEX NAME)

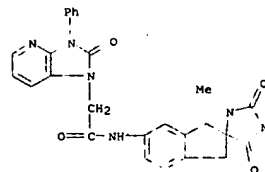
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767304-29-0 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-phenyl- (9CI) (CA INDEX NAME)

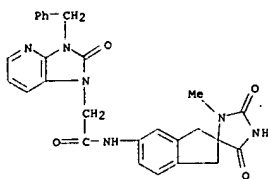


RN 767304-30-3 CAPLUS
 CN 1H-Imidazo[4,5-b]pyridine-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-phenyl- (9CI) (CA INDEX NAME)

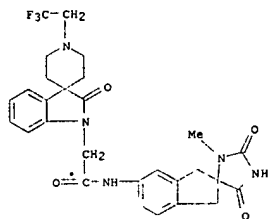


RN 767304-31-4 CAPLUS
 CN 1H-Imidazo[4,5-b]pyridine-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(phenylmethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

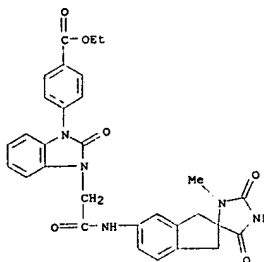


RN 767304-32-5 CAPLUS
 CN Spiro[3H-indole-3,4'-piperidine]-1(2H)-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2-oxo-1'-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)

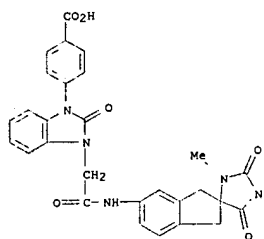


RN 767304-33-6 CAPLUS
 CN Benzoic acid, 4-[3-[2-[(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)amino]-2-oxoethyl]-2,3-dihydro-2-oxo-1H-benzimidazol-1-yl]-, ethyl ester (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

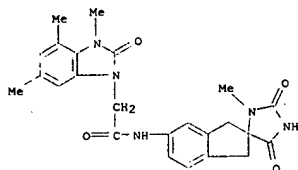


RN 767304-34-7 CAPLUS
 CN Benzoic acid, 4-[3-[2-[(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)amino]-2-oxoethyl]-2,3-dihydro-2-oxo-1H-benzimidazol-1-yl]- (9CI) (CA INDEX NAME)

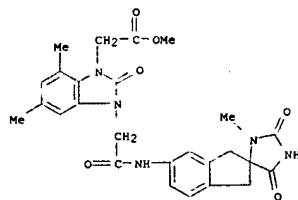


RN 767304-35-8 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-3,4,6-trimethyl-2-oxo- (9CI) (CA INDEX NAME)

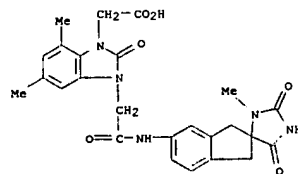
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767304-36-9 CAPLUS
 CN 1H-Benzimidazole-1-acetic acid, 3-[2-[(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)amino]-2-oxoethyl]-2,3-dihydro-5,7-dimethyl-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

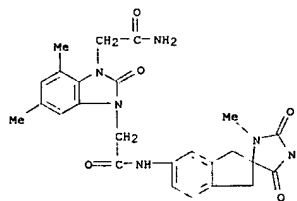


RN 767304-37-0 CAPLUS
 CN 1H-Benzimidazole-1-acetic acid, 3-[2-[(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)amino]-2-oxoethyl]-2,3-dihydro-5,7-dimethyl-2-oxo- (9CI) (CA INDEX NAME)

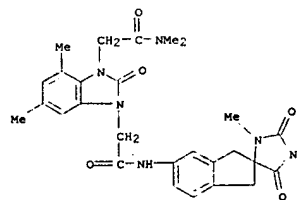


RN 767304-38-1 CAPLUS
 CN 1H-Benzimidazole-1,3(2H)-diacetamide, N1-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N3,N3,4,6-tetramethyl-2-oxo- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

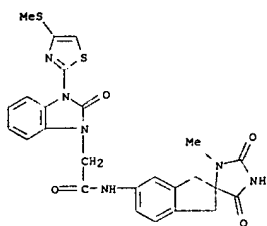


RN 767304-39-2 CAPLUS
 CN 1H-Benzimidazole-1,3(2H)-diacetamide, N1-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N3,N3,4,6-tetramethyl-2-oxo- (9CI) (CA INDEX NAME)

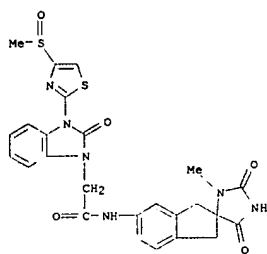


RN 767304-40-5 CAPLUS
 CN 1H-Benzimidazole-1,3(2H)-diacetamide, N1-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N3,N3,4,6-tetramethyl-2-oxo- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

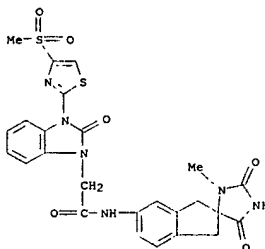


RN 767304-41-6 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-3-(4-(methylsulfinyl)-2-thiazolyl)-2-oxo- (9CI) (CA INDEX NAME)

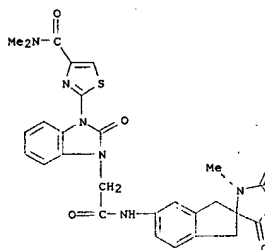


RN 767304-42-7 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-3-(4-(methylsulfonyl)-2-thiazolyl)-2-oxo- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

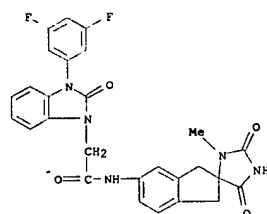


RN 767304-43-8 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-3-[4-((dimethylamino)carbonyl)-2-thiazolyl]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

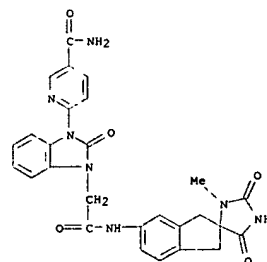


RN 767304-44-9 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, 3-(3,5-difluorophenyl)-N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

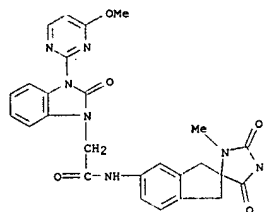


RN 767304-45-0 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, 3-[5-(aminocarbonyl)-2-pyridinyl]-N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

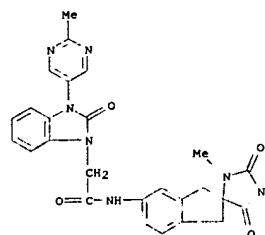


RN 767304-46-1 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-3-(4-methoxy-2-pyrimidinyl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

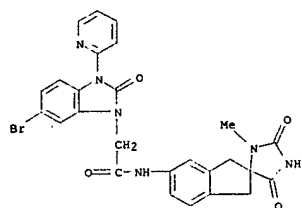


RN 767304-47-2 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-3-(2-methyl-5-pyrimidinyl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

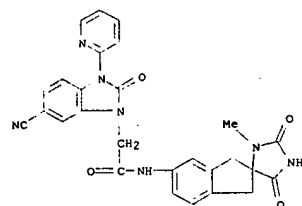


RN 767304-48-3 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, 6-bromo-N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

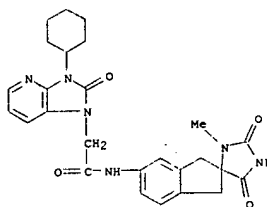


RN 767304-49-4 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, 6-cyano-N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)

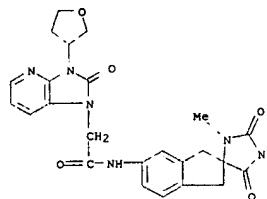


RN 767304-50-7 CAPLUS
 CN 1H-Imidazo[4,5-b]pyridine-1-acetamide, 3-cyclohexyl-N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(1-methyl-2-pyrrolidinyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

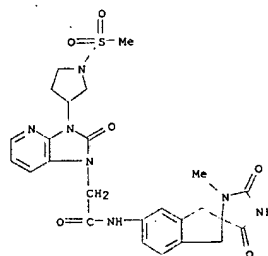


RN 767304-51-8 CAPLUS
 CN 1H-Imidazo[4,5-b]pyridine-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(tetrahydro-3-furanyl)- (9CI) (CA INDEX NAME)

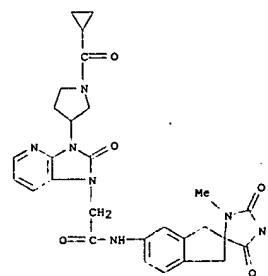


RN 767304-52-9 CAPLUS
 CN 1H-Imidazo[4,5-b]pyridine-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(1-methyl-2-pyrrolidinyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

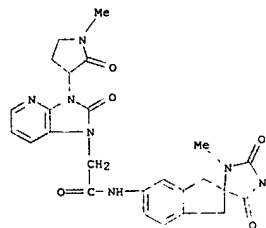


RN 767304-53-0 CAPLUS
 CN 1H-Imidazo[4,5-b]pyridine-1-acetamide, 3-[1-(cyclopropylcarbonyl)-3-pyrrolidinyl]-N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

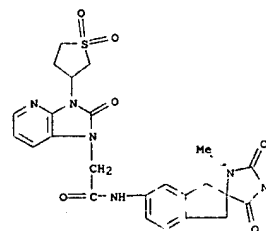


RN 767304-54-1 CAPLUS
 CN 1H-Imidazo[4,5-b]pyridine-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(1-methyl-2-pyrrolidinyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

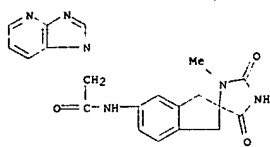


RN 767304-55-2 CAPLUS
 CN 1H-Imidazo[4,5-b]pyridine-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(tetrahydro-1,1-dioxido-3-thienyl)- (9CI) (CA INDEX NAME)

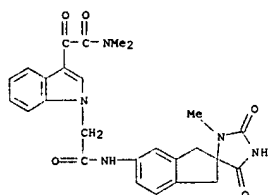


RN 767304-56-3 CAPLUS
 CN 1H-Imidazo[4,5-b]pyridine-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)

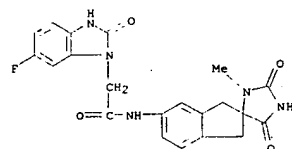
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



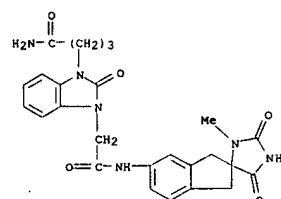
RN 767304-57-4 CAPLUS
 CN 1H-Indole-1,3-diacetamide, N1-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N3,N3-dimethyl-α3-oxo- (9CI) (CA INDEX NAME)



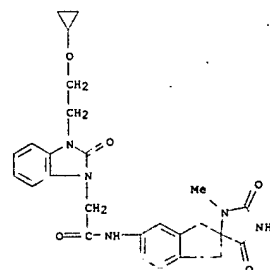
RN 767304-58-5 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-6-fluoro-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)



L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



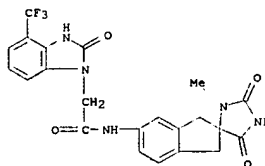
RN 767304-62-1 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, 3-[2-(cyclopropyloxy)ethyl]-N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)



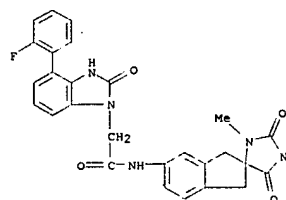
RN 767304-63-2 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 767304-59-6 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

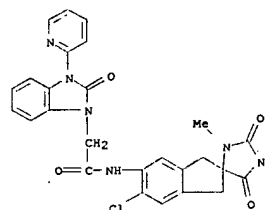


RN 767304-60-9 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-4-(2-fluorophenyl)-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

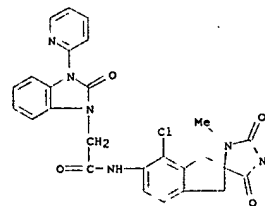


RN 767304-61-0 CAPLUS
 CN 1H-Benzimidazole-1-butanamide, 3-[2-[(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)amino]-2-oxoethyl]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

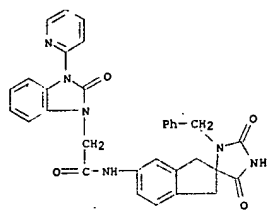


RN 767304-64-3 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)

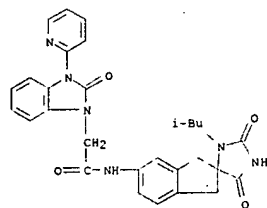


RN 767304-65-4 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro-2-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

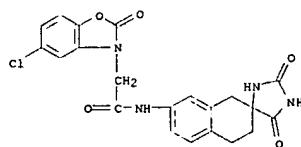


RN 767304-66-5 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-[1',3'-dihydro-3-(2-methylpropyl)-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl]-2,3-dihydro-2-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)

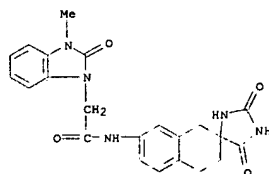


RN 767305-84-0 CAPLUS
 CN 3(2H)-Benzoxazoleacetamide, 5-chloro-N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-7'-yl)-2-oxo- (9CI) (CA INDEX NAME)

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 767305-85-1 CAPLUS
 CN 1H-Benzimidazole-1-acetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-7'-yl)-2,3-dihydro-3-methyl-2-oxo- (9CI) (CA INDEX NAME)



=> d ibib abs hitstr L7 1-7

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:1070147 CAPLUS
 DOCUMENT NUMBER: 145:419134
 TITLE: Constrained indazoloazepinones and related compounds as CGRP-receptor antagonists and their preparation, pharmaceutical compositions, and use for treatment of migraine
 INVENTOR(S): Chaturvedula, Prasad V.; Mercer, Stephen E.; Fang, Haiquan
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 140pp., Cont.-in-part of U.S. Ser. No. 247,697.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006229447	A1	20061012	US 2006-417326	20060503
US 2006094707	A1	20060504	US 2005-247697	20051011
PRIORITY APPL. INFO.:			US 2004-624655P	P 20041103
			US 2005-678099P	P 20050505
			US 2005-247697	A2 20051011

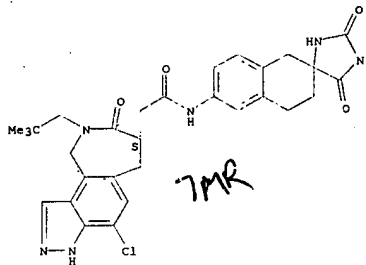
OTHER SOURCE(S): MARPAT 145:419134
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention encompasses constrained bicyclic and tricyclic CGRP-receptor antagonists of formula I, methods for identifying them, pharmaceutical compns. comprising them, and methods for their use in therapy for treatment of migraine and other headaches, neurogenic vasodilation, neurogenic inflammation, thermal injury, circulatory shock, flushing associated with menopause, airway inflammatory diseases, such as asthma and chronic obstructive pulmonary disease (COPD), and other conditions the treatment of which can be effected by the antagonism of CGRP-receptors. Compds. I (R1 = (halo)alkyl, alkenyl, cycloalkyl, etc.; R2 = H, halo, OH, alkyl, etc.; R3 = H, OH, halo, alkyl, or alkenyl; or R2R3 together are CHNHR5; R4 = H, halo, alkyl, or alkenyl; R5 = H or alkyl; R6 = H, alkyl, or spiro[imidazolidinedione-cycloalkaphenyl]; or NR5R6 taken together = (un)substituted 6-membered aza-cycle, or spiro-substituted piperidine: X-Y = aminocarbonyl, oxycarbonyl, methylenecarbonyl, ethylene, or amino(cyano)iminomethyl; n = 0-1; and their pharmaceutically acceptable salts or solvates thereof) were prepared. Thus, compound II was prepared by

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 substitution of (9-benzyl-4-chloro-8-oxo-3,6,7,8,9,10-hexahydro-2,3,9-triaza-(R)-cyclohepta[6,1]inden-7-yl)carbamate benzyl ester with 4-(2-oxo-1,4-dihydro-2H-quinazolin-3-yl)piperidine. Compds. I were evaluated for their CGRP receptor binding activity. It was detd. that most of the invention compds. exhibited CGRP receptor activity. For example, II was found to have an IC50 value between 0.1-10 nM against CGRP receptors and for cAMP functions. Compds. I are claimed to be useful for treatment of migraine.
 IT 885607-70-5P 885607-71-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of constrained indazoloazepinones and related compds. as CGRP-receptor antagonists for treatment of migraine)
 RN 885607-70-5 CAPLUS
 CN Pyrazolo[3,4-i][2]benzazepine-7-acetamide, 4-chloro-N-(1',3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-9-(2,2-dimethylpropyl)-3,6,7,8,9,10-hexahydro-8-oxo-, (7S)- (9CI) (CA INDEX NAME)

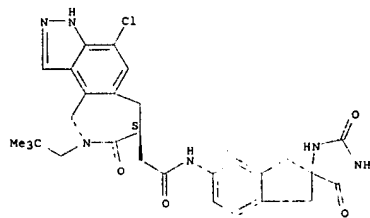
Absolute stereochemistry.



RN 885607-71-6 CAPLUS
 CN Pyrazolo[3,4-i][2]benzazepine-7-acetamide, 4-chloro-N-(1',3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-9-(2,2-dimethylpropyl)-3,6,7,8,9,10-hexahydro-8-oxo-, (7S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:409732 CAPLUS
 DOCUMENT NUMBER: 144:450702
 TITLE: Constrained indazoloazepinones and related compounds as CGRP-receptor antagonists and their preparation, pharmaceutical compositions, and use for treatment of migraine
 INVENTOR(S): Chaturvedula, Prasad V.; Mercer, Stephen E.; Fang, Haiquan
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 112 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006094707	A1	20060504	US 2005-247697	20051011
WO 2006052378	A1	20060518	WO 2005-US36859	20051012
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
US 2006229447	A1	20061012	US 2006-417326	20060503
PRIORITY APPL. INFO.:			US 2004-624655P	P 20041103
			US 2005-678099P	P 20050505
			US 2005-247697	A 20051011

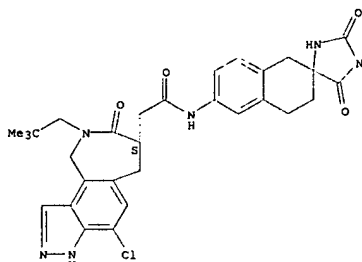
OTHER SOURCE(S): MARPAT 144:450702
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention encompasses constrained bicyclic and tricyclic CGRP-receptor antagonists of formula I, methods for identifying them, pharmaceutical compns. comprising them, and methods for their use in therapy for treatment of migraine and other headaches, neurogenic vasodilation, neurogenic inflammation, thermal injury, circulatory shock, flushing associated with menopause, airway inflammatory diseases, such as asthma and chronic obstructive pulmonary disease (COPD), and other conditions the treatment of which can be effected by the antagonism of CGRP-receptors. Compds. of formula I, wherein R1 is C1-6 (halo)alkyl, C2-6 alkenyl, C3-7 cycloalkyl, C5-7 cycloalkenyl, C1-6(C3-7 cycloalkenyl)alkyl,

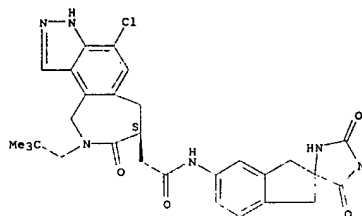
L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 C1-6(Cl-6alkoxy)alkyl, C1-6(hetero)aryalkyl, C1-6(NH2)alkyl and
 derivs.,
 NH-pyrrolidinyl and derivs., or NH-piperidinyl and derivs.; R2 is H,
 halo,
 OH, C1-6 alkyl, C2-6 alkenyl, BnO, or NH2 and derivs.; R3 is H, OH, halo,
 C1-6 alkyl, or C2-6 alkenyl; or R2R3 together are CHNHR5; R4 is H, halo,
 C1-6 alkyl, or C2-6 alkenyl; R5 is H or C1-6 alkyl; R6 is H, C1-6 alkyl,
 or spiro[imidazolidinedione-cycloalkaphenyl]; or NR5R6 taken together is
 (un)substituted 6-membered aza-cycle, or spiro-substituted piperidine;
 X-Y
 is aminocarbonyl, oxycarbonyl, methylenecarbonyl, ethylene, or
 amino(cyano)iminomethyl; n is 0 or 1; and their pharmaceutically
 acceptable salts or solvates thereof are claimed. Example compd. II was
 prepd. by substitution of
 (9-benzyl-4-chloro-8-oxo-3,6,7,8,9,10-hexahydro-
 2,3,9-triaza-(R)-cyclohepta[*e*]inden-7-yl)carbamic acid benzyl ester with
 4-(2-oxo-1,4-dihydro-2H-quinazolin-3-yl)piperidine. All the invention
 compds. were evaluated for their CGRP receptor binding activity. From
 the
 assay, it was detd. that most of the invention compds. exhibited CGRP
 receptor activity. Example compd. II were found to have an IC50 value
 between 0.1-10 nM against CGRP receptors and for cAMP functions. These
 compds. are claimed to be useful for treatment migraine.
 IT 885607-70-5P 885607-71-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (drug candidate: preparation of constrained indazoloazepinones and
 related
 compds. as CGRP-receptor antagonists and useful for treatment of
 migraine)
 RN 885607-70-5 CAPLUS
 CN Pyrazolo[3,4-*i*][2]benzazepine-7-acetamide, 4-chloro-N-(3',4'-dihydro-2,5-
 dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-9-(2,2-
 dimethylpropyl)-3,6,7,8,9,10-hexahydro-8-oxo-, (7S)-(9CI) (CA INDEX
 NAME)
 Absolute stereochemistry.

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



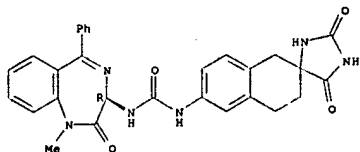
RN 885607-71-6 CAPLUS
 CN Pyrazolo[3,4-*i*][2]benzazepine-7-acetamide, 4-chloro-N-(1',3'-dihydro-2,5-
 dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-9-(2,2-dimethylpropyl)-
 3,6,7,8,9,10-hexahydro-8-oxo-, (7S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:315123 CAPLUS
 DOCUMENT NUMBER: 144:460321
 TITLE: Non-peptide calcitonin gene-related peptide receptor
 antagonists from a benzodiazepine lead
 AUTHOR(S): Williams, Theresa M.; Stump, Craig A.; Nguyen, Diem
 N.; Quigley, Amy G.; Bell, Ian D.; Gallicchio, Steven
 N.; Zartman, C. Blair; Man, Jang-Lin; Della Penna,
 Kimberly; Kunapuli, Priya; Kane, Stefanie A.; Koblan,
 Ken S.; Mosser, Scott D.; Rutledge, Ruth Z.;
 Salvatore, Christopher; Fay, John F.; Varca, Joseph
 P.; Graham, Samuel L.
 CORPORATE SOURCE: Department of Medicinal Chemistry, Merck & Co., West
 Point, PA, 19486, USA
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2006),
 16(10), 2595-2598
 CODEN: BMCLB; ISSN: 0960-894X
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 144:460321
 AB High-throughput screening of the Merck sample collection identified a
 benzodiazepine tetralin-spirohydantoin as a CGRP receptor antagonist
 with micromolar activity. Comparing the structure of this compound with
 those of earlier peptide-based antagonists such as BIBN 4096 BS, a key
 hydrogen bond donor-acceptor pharmacophore was hypothesized. Subsequent
 structure activity studies supported this hypothesis and led to
 benzodiazepine piperidinyldihydroquinazolinone, CGRP receptor Ki = 44
 nM
 and IC50 = 38 nM. This compound was orally bioavailable in rats and is
 a
 lead in the development of orally bioavailable CGRP antagonists for the
 treatment of migraine.
 IT 886854-32-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (non-peptide calcitonin gene-related peptide receptor antagonists from
 a benzodiazepine lead in relation to treatment of migraine)
 RN 886854-32-6 CAPLUS
 CN Urea,
 N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-
 6'-yl)-N'-((3R)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-
 yl)-(9CI) (CA INDEX NAME)
 Absolute stereochemistry.

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR
 THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT



L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 2004:857553 CAPLUS
 DOCUMENT NUMBER: 141:332225
 TITLE: Preparation of benzodiazepine spirohydantoin CGRP
 receptor antagonists
 INVENTOR(S): Bell, Ian M.; Graham, Samuel L.; Williams, Theresa
 M.;
 PATENT ASSIGNEE(S): Stump, Craig A.
 Merck & Co., Inc., USA
 SOURCE: PCT Int. Appl., 56 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087649	A2	20041014	WO 2004-US7715	20040310
WO 2004087649	A3	20050630		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RM:	BW, GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004226018	A1	20041014	AU 2004-226018	20040310
CA 2519515	AA	20041014	CA 2004-2519515	20040310
EP 1606286	A2	20051221	EP 2004-749375	20040310
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
US 2006189600	A1	20060824	US 2005-547228	20050826
PRIORITY APPLN. INFO.:			US 2003-455611P	P 20030314
			WO 2004-US7715	A 20040310

OTHER SOURCE(S): MARPAT 141:332225
 GI

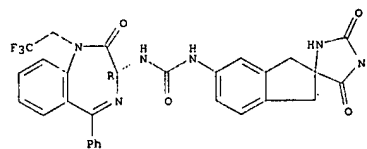
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = H, (un)substituted-alkyl, -heterocycle, -Ph, or cycloalkyl; R2a, R2b, and R2c independently = H, halo, OH, CF3O, (un)substituted-alkyl, etc.; R3 = H, (un)substituted-alkyl, -cycloalkyl, -heterocycle, or -phenyl; R4 = H, Ph, PhCH2, cycloalkyl, (un)substituted alkyl; R5 = H, (un)substituted-alkyl, -cycloalkyl, -heterocycle, or -phenyl; X = bond or NR4a wherein R4a is independently selected from definitions for R4; m = 1-2; n = 1-2], as well as their pharmaceutically

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)
 acceptable salts, are antagonists of CGRP receptors and are useful in the treatment or prevention of diseases in which the CGRP is involved, such as
 headache, migraine and cluster headache. Thus, e.g., II was prep'd. by amidation of 6'-carboxy-3',4'-dihydro-1'H-spiro[imidazolidine-4,2'-naphthalene]-2,5-dione (prepn. given) with (3R)-3-amino-2-oxo-5-phenyl-1-(2,2,2-trifluoroethyl)-2,3-dihydro-1H-1,4-benzodiazepine. Comps. of the invention had activity as antagonists of the CGRP receptor with a Ki or IC50 value of less than about 50 μ M. The invention is also directed to pharmaceutical compns. comprising these compds. and the use of these compds. and compns. in the prevention or treatment of such diseases in which CGRP is involved.
 IT 773146-85-3P 773146-86-4P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate: preparation of benzodiazepine spirohydantoin derivs.)

as CGRP receptor antagonists)
 RN 773146-85-3 CAPLUS
 CN Urea,
 N-[(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)-N'-[(3R)-2,3-dihydro-2-oxo-5-phenyl-1-(2,2,2-trifluoroethyl)-1H-1,4-benzodiazepin-3-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

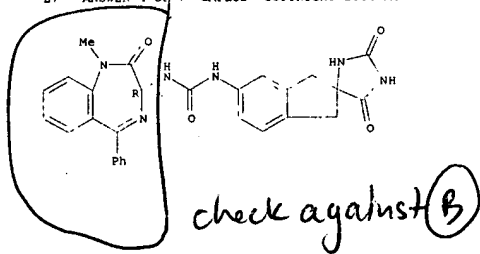


RN 773146-86-4 CAPLUS
 CN Urea,
 N-[(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)-N'-[(3R)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

same
priority

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



check against (B)

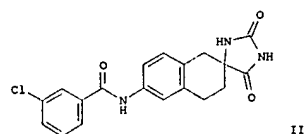
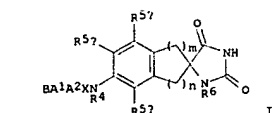
L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 2004:802712 CAPLUS
 DOCUMENT NUMBER: 141:314331
 TITLE: Preparation of aryl-fused spirohydantoin as calcitonin gene-related peptide (CGRP) receptor antagonists
 INVENTOR(S): Bell, Ian M.; Theberge, Cory R.; Zhang, Xu-fang;
 Zartman, C. Blair
 PATENT ASSIGNEE(S): Merck & Co. Inc., USA
 SOURCE: PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004082678	A1	20040930	WO 2004-US7686	20040310
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RM:	BW, GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004222328	A1	20040930	AU 2004-222328	20040310
CA 2518843	AA	20040930	CA 2004-2518843	20040310
EP 1605936	A1	20051221	EP 2004-719322	20040310
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
JP 2006520388	T2	20060907	JP 2006-507140	20040310
US 2006189593	A1	20060824	US 2005-547227	20050826
PRIORITY APPLN. INFO.:			US 2003-454917P	P 20030314
			WO 2004-US7686	W 20040310

OTHER SOURCE(S): MARPAT 141:314331
 GI

Instant App

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB Title compds. [I; B = (substituted) cycloalkyl, Ph, naphthyl, indanyl, indolyl, biphenyl, phenanthryl, anthryl, chromanyl, isochromanyl, oxadiazolyl, azetidinyl, azepinyl, imidazolyl, piperazinyl, pyrazinyl, benzoxazolyl, isoquinolinyl, dibenzofuryl, isoindolyl, pyrrollyl, benzofuryl, benzothiazolyl, furyl, tetrahydrofuryl, thiazolyl, pyrazolyl, pyrimidinyl, triazolyl, tetrazolyl, etc.; A1, A2 = bond, CR13R14, NR10, CR13R14NR10, etc.; R10 = H, (fluoro)alkyl, cycloalkyl, Ph, PhCH2, etc.; R13, R14 = H, (fluoro)alkyl, OH; X = CO, SO2; R4 = H, (fluoro)alkyl, cycloalkyl, Ph, PhCH2; R5a, R5b, R5c = H, alkyl, alkoxy, OCF3, CF3, halo, OH, cyano; R6 = H, (substituted) alkyl, cycloalkyl, Ph, pyridyl, pyrimidinyl, pyrazinyl, thienyl, morpholinyl; m, n = 1, 2], were prepared Thus, 3-chlorobenzoic acid,

6'-amino-3',4'-dihydro-1'H-spiro[imidazolidine-4,2'-(1'H)-naphthalen]-2,5-dione (preparation given), EDC, HOBT, and diisopropylethylamine were stirred 18 h in DMF at ambient temperature to give

title compound (II). I antagonized CGRP receptors with activities generally less than about 50 μ M.

IT 765940-94-1P 765940-95-2P 765940-96-3P
765940-98-5P 765941-00-2P 765941-02-4P
765941-03-5P 765941-04-6P 765941-06-8P
765941-07-9P 765941-08-0P 765941-09-1P
765941-13-7P 765941-15-9P 765941-17-1P
765941-18-2P 765941-19-3P 765941-20-6P
765941-22-8P 765941-24-0P 765941-26-2P
765941-28-4P 765941-30-8P 765941-32-0P
765941-33-1P 765941-35-3P 765941-37-5P
765941-39-7P 765941-41-1P 765941-43-3P
765941-45-5P 765941-47-7P 765941-49-9P
765941-51-3P 765941-53-5P

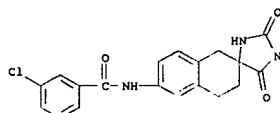
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

(Uses)
(prepn. of Aryl-fused spirohydantoin as calcitonin gene-related peptide receptor antagonists)

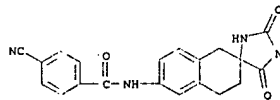
RN 765940-94-1 CAPLUS

CN Benzamide, 3-chloro-N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)- (9CI) (CA INDEX NAME)



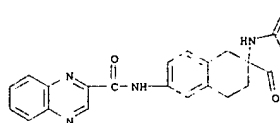
RN 765940-95-2 CAPLUS

CN Benzamide, 4-cyano-N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)- (9CI) (CA INDEX NAME)



RN 765940-96-3 CAPLUS

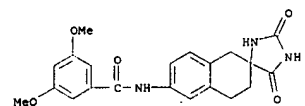
CN 2-Quinoxalinecarboxamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)- (9CI) (CA INDEX NAME)



RN 765940-98-5 CAPLUS

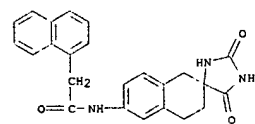
CN Benzamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-3,5-dimethoxy- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



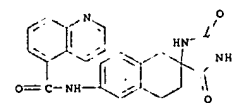
RN 765941-00-2 CAPLUS

CN 1-Naphthaleneacetamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)- (9CI) (CA INDEX NAME)



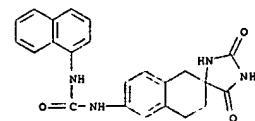
RN 765941-02-4 CAPLUS

CN 5-Quinolonecarboxamide, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)- (9CI) (CA INDEX NAME)



RN 765941-03-5 CAPLUS

CN Urea, N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)-N'-1-naphthalenyl- (9CI) (CA INDEX NAME)



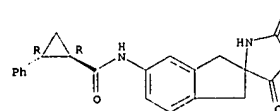
RN 765941-04-6 CAPLUS

CN Cyclopropanecarboxamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

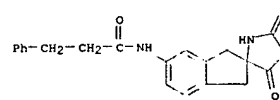
4,2'-(2H)inden]-5'-yl)-2-phenyl-, (1R,2R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



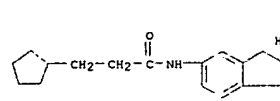
RN 765941-06-8 CAPLUS

CN Benzenepropanamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)



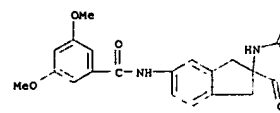
RN 765941-07-9 CAPLUS

CN Cyclopentanepropanamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)



RN 765941-08-0 CAPLUS

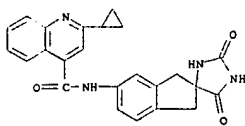
CN Benzamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-3,5-dimethoxy- (9CI) (CA INDEX NAME)



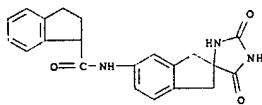
RN 765941-09-1 CAPLUS

CN 4-Quinolonecarboxamide, 2-cyclopropyl-N-(1',3'-dihydro-2,5-

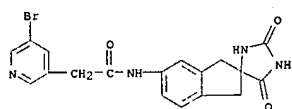
L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl]- (9CI) (CA INDEX NAME)



RN 765941-13-7 CAPLUS
 CN 1H-Indene-1-carboxamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-2,3-dihydro- (9CI) (CA INDEX NAME)



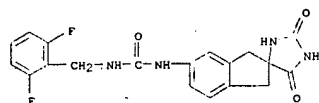
RN 765941-15-9 CAPLUS
 CN 3-Pyridineacetamide, 5-bromo-N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)



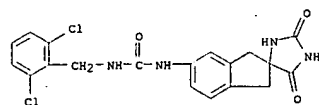
RN 765941-17-1 CAPLUS
 CN 3-Pyridineacetamide, N-(2-chlorophenyl)-N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

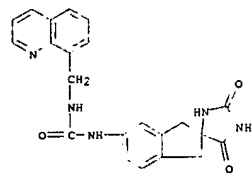
RN 765941-22-8 CAPLUS
 CN Urea, N-[(2,6-difluorophenyl)methyl]-N'-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)



RN 765941-24-0 CAPLUS
 CN Urea, N-[(2,6-dichlorophenyl)methyl]-N'-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)

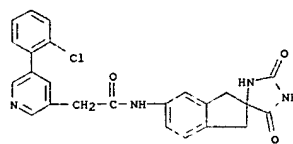


RN 765941-26-2 CAPLUS
 CN Urea, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N'-(8-quinolinylmethyl)- (9CI) (CA INDEX NAME)

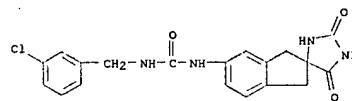


RN 765941-28-4 CAPLUS
 CN Urea, N-(3-acetylphenyl)-N'-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)

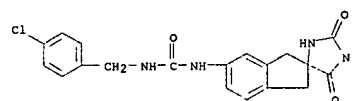
L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



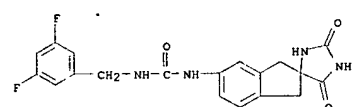
RN 765941-18-2 CAPLUS
 CN Urea, N-[(3-chlorophenyl)methyl]-N'-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)



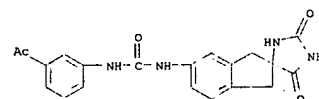
RN 765941-19-3 CAPLUS
 CN Urea, N-[(4-chlorophenyl)methyl]-N'-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)



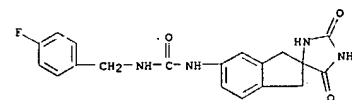
RN 765941-20-6 CAPLUS
 CN Urea, N-[(3,5-difluorophenyl)methyl]-N'-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)- (9CI) (CA INDEX NAME)



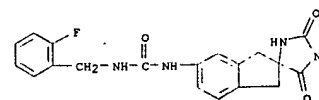
L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



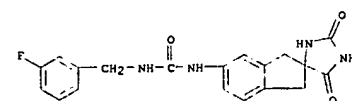
RN 765941-30-8 CAPLUS
 CN Urea, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N'-(4-fluorophenylmethyl)- (9CI) (CA INDEX NAME)



RN 765941-32-0 CAPLUS
 CN Urea, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N'-(2-fluorophenylmethyl)- (9CI) (CA INDEX NAME)

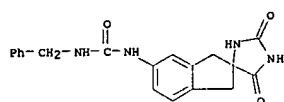


RN 765941-33-1 CAPLUS
 CN Urea, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N'-(3-fluorophenylmethyl)- (9CI) (CA INDEX NAME)

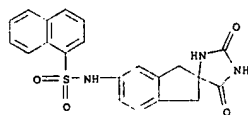


RN 765941-35-3 CAPLUS
 CN Urea, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(2H)inden]-5'-yl)-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

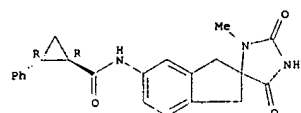


RN 765941-37-5 CAPLUS
CN 1-Naphthalenesulfonamide, N-(1',3'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)- (9CI) (CA INDEX NAME)



RN 765941-39-7 CAPLUS
CN Cyclopropanecarboxamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)-2-phenyl-, (1R,2R)-rel- (9CI) (CA INDEX NAME)

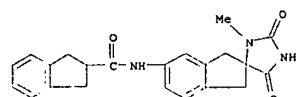
Relative stereochemistry.



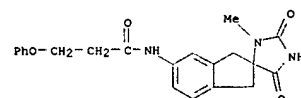
RN 765941-41-1 CAPLUS
CN Benzenepropanamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)- (9CI) (CA INDEX NAME)

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

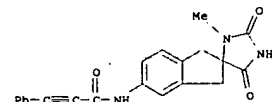
CN 1H-Indene-2-carboxamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)-2,3-dihydro- (9CI) (CA INDEX NAME)



RN 765941-51-3 CAPLUS
CN Propanamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)-3-phenoxy- (9CI) (CA INDEX NAME)



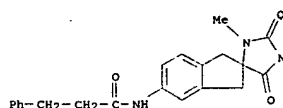
RN 765941-53-5 CAPLUS
CN 2-Propynamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)-3-phenyl- (9CI) (CA INDEX NAME)



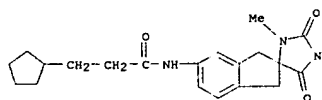
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

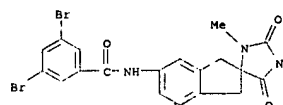
L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



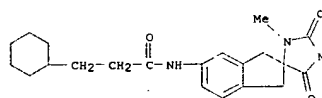
RN 765941-43-3 CAPLUS
CN Cyclopentanepropanamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)- (9CI) (CA INDEX NAME)



RN 765941-45-5 CAPLUS
CN Benzamide, 3,5-dibromo-N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)- (9CI) (CA INDEX NAME)



RN 765941-47-7 CAPLUS
CN Cyclohexanepropanamide, N-(1',3'-dihydro-3-methyl-2,5-dioxospiro[imidazolidine-4,2'-[2H]inden]-5'-yl)- (9CI) (CA INDEX NAME)

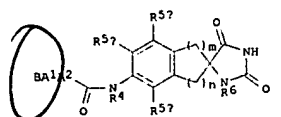


RN 765941-49-9 CAPLUS

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:799568 CAPLUS
DOCUMENT NUMBER: 141:314326
TITLE: Preparation of spirohydantoin anilides as calcitonin gene-related peptide (CGRP) receptor antagonists
INVENTOR(S): Bell, Ian M. Theberge, Cory R.; Williams, Theresa M.;
Zarblum, C. Blair; Zhang, Xu-fang; Gallicchio, Steven N.
PATENT ASSIGNEE(S): Merck & Co. Inc., USA
SOURCE: PCT Int. Appl., 61 pp.
CODEN: PIKXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004083187	A1	20040930	WO 2004-US7678	20040310
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GR, GM, HP, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004221891	A1	20040930	AU 2004-221891	20040310
CA 2518852	AA	20040930	CA 2004-2518852	20040310
EP 1606264	A1	20051221	EP 2004-719323	20040310
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, JP, KR, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
JP 2006520387	T2	20060907	JP 2006-507138	20040310
US 2006148775	A1	20060726	US 2005-547082	20050826
PRIORITY APPL. INFO.:			US 2003-454944P	P 20030314
			WO 2004-US7678	A 20040310
OTHER SOURCE(S):		MARPAT 141:314326		
GI				



AB Title compds. (I: B = (substituted) imidazoliyl, pyrrolyl, pyrazoliyl,

B from N
monocycle

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 triazolyl, 2-oxoimidazolyl, 2-oxothiazolyl, 2-oxodiazepanyl, etc.; A1, A2 = bond, CR13R14, null; R13, R14 = H, (fluoro)alkyl, OH; R4 = H, (fluoro)alkyl; R5a, R5b, R5c = H, alkyl, alkoxy, OCF₃, CF₃, halo, OH, cyano; R6 = H, (substituted) alkyl, Ph, pyridyl, pyrimidinyl, pyrazinyl, thienyl; m, n = 1, 2], were prep'd.

Thus,

3-chlorobenzoic acid,
 6'-amino-3',4'-dihydro-1'H-spiro[imidazolidine-4,2'-naphthalene]-2,5-dione, EDC, HOBT, and diisopropylamine were stirred together for 18 h in DMF at ambient temp. to give 6'-[(3-chlorobenzoyl)amino]-3',4'-dihydro-1'H-spiro[imidazolidine-4,2'-naphthalene]-2,5-dione. I generally showed CGRP antagonistic activity with Ki or IC50 values of ≤50 μM.

IT 765940-94-1P

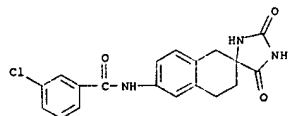
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Claimed compound; preparation of spirohydantoin anilides as

calcitonin gene-related peptide receptor antagonists)

RN 765940-94-1 CAPLUS

CN Benzamide, 3-chloro-N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:100443 CAPLUS

DOCUMENT NUMBER: 16113224

TITLE: Preparation of bicyclic anilide spirohydantoin CGRP receptor antagonists

INVENTOR(S): Bell, Ian M.; Gallicchio, Steven N.; Theberge, Cory N.; Zhang, Xu-Fang; Stump, Craig; Zartman, C. Blair

PATENT ASSIGNEE(S): Marck & Co., Inc., USA

SOURCE: PC App'l., 120 pp.

CODEN: PIXXDZ

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

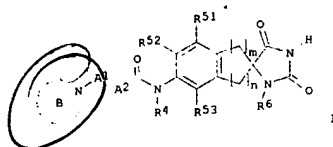
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004082605	A2	20040930	WO 2004-US7289	20040310
WO 2004082605	A3	20041118		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 2004222383	A1	20040930	AU 2004-222383	20040310
CA 2519475	AA	20040930	CA 2004-2519475	20040310
EP 1608627	A2	20051228	EP 2004-719222	20040310
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
JP 2006520383	T2	20060907	JP 2006-307033	20040310
US 2006211712	A1	20060907	US 2005-549338	20050913
PRIORITY APPLN. INFO.:			US 2003-455609P	20030314
			US 2003-486642P	P 20030711
			WO 2004-US7289	A 20040310

OTHER SOURCE(S): MARPAT 141:314324
 GI

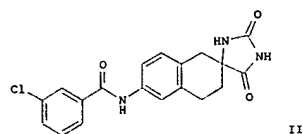
Instant App

- claim 15

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



B thru N



AB The title compds. (I; B = (un)substituted bicycloheterocycle; A1, A2 = a bond, (un)substituted CH2; R4 = H, alkyl, fluoroalkyl, cycloalkyl, etc.; R51, R52, R53 = H, alkyl, alkoxy, etc.; R6 = H, alkyl, cycloalkyl, etc.; m, n = 1-2] that are antagonists of CGRP receptors and that are useful in the treatment or prevention of diseases in which the CGRP is involved, such as headache, migraine and cluster headache, were prepared. E.g., a multi-step synthesis of II, starting from 6-bromo-2-tetralone, was given. The exemplified compds. I had activity as antagonists of the CGRP receptor, generally with a Ki or IC50 value of <50 μM. The invention is also directed to pharmaceutical compds. comprising the compds. I and the use of these compds. and compns. in the prevention or treatment of such diseases in which CGRP is involved.

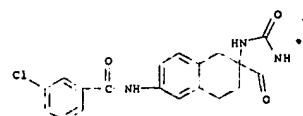
IT 765940-94-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Preparation of bicyclic anilide spirohydantoin CGRP receptor antagonists)

RN 765940-94-1 CAPLUS

CN Benzamide, 3-chloro-N-(3',4'-dihydro-2,5-dioxospiro[imidazolidine-4,2'-(1'H)-naphthalen]-6'-yl)- (9CI) (CA INDEX NAME)



- claim 24

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)